

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042321\  
 Data File : VV021121.D  
 Acq On : 23 Apr 2021 15:52  
 Operator : SY/MD  
 Sample : M2123-03  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG7B8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M

Title : VOC Analysis

Signal : TIC: VV021121.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.307       | 77            | 83          | 99           | rVB      | 325827         | 342993        | 14.59%          | 1.906%        |
| 2         | 1.571       | 158           | 165         | 177          | rVB      | 272344         | 304491        | 12.95%          | 1.692%        |
| 3         | 2.111       | 323           | 333         | 354          | rBV      | 591739         | 860919        | 36.63%          | 4.785%        |
| 4         | 2.516       | 452           | 459         | 461          | rBV6     | 2994           | 3498          | 0.15%           | 0.019%        |
| 5         | 2.767       | 527           | 537         | 547          | rVB10    | 4300           | 8539          | 0.36%           | 0.047%        |
| 6         | 2.831       | 552           | 557         | 558          | rBV2     | 895            | 696           | 0.03%           | 0.004%        |
| 7         | 2.873       | 568           | 570         | 573          | rVB3     | 1053           | 464           | 0.02%           | 0.003%        |
| 8         | 3.043       | 612           | 623         | 641          | rBV4     | 12375          | 25078         | 1.07%           | 0.139%        |
| 9         | 3.127       | 647           | 649         | 651          | rVB2     | 754            | 285           | 0.01%           | 0.002%        |
| 10        | 3.265       | 689           | 692         | 695          | rBV2     | 743            | 367           | 0.02%           | 0.002%        |
| 11        | 3.281       | 695           | 697         | 700          | rVB4     | 521            | 231           | 0.01%           | 0.001%        |
| 12        | 3.297       | 700           | 702         | 704          | rVB4     | 680            | 267           | 0.01%           | 0.001%        |
| 13        | 3.326       | 708           | 711         | 714          | rBV3     | 457            | 347           | 0.01%           | 0.002%        |
| 14        | 3.362       | 720           | 722         | 725          | rVB2     | 637            | 284           | 0.01%           | 0.002%        |
| 15        | 3.388       | 725           | 730         | 732          | rBV3     | 809            | 590           | 0.03%           | 0.003%        |
| 16        | 3.452       | 742           | 750         | 754          | rBV2     | 815            | 820           | 0.03%           | 0.005%        |
| 17        | 3.487       | 759           | 761         | 763          | rVV2     | 584            | 247           | 0.01%           | 0.001%        |
| 18        | 3.500       | 763           | 765         | 769          | rVB2     | 847            | 574           | 0.02%           | 0.003%        |
| 19        | 3.519       | 769           | 771         | 773          | rBV      | 524            | 258           | 0.01%           | 0.001%        |
| 20        | 3.542       | 775           | 778         | 780          | rVB2     | 610            | 308           | 0.01%           | 0.002%        |
| 21        | 3.658       | 811           | 814         | 815          | rBV2     | 487            | 246           | 0.01%           | 0.001%        |
| 22        | 3.703       | 824           | 828         | 829          | rBV      | 666            | 460           | 0.02%           | 0.003%        |
| 23        | 3.770       | 833           | 849         | 867          | rVV4     | 30780          | 79310         | 3.37%           | 0.441%        |
| 24        | 3.912       | 880           | 893         | 930          | rBV      | 116252         | 458321        | 19.50%          | 2.547%        |
| 25        | 4.352       | 1016          | 1030        | 1057         | rBV      | 411096         | 1004648       | 42.74%          | 5.584%        |
| 26        | 4.638       | 1116          | 1119        | 1120         | rBV2     | 742            | 363           | 0.02%           | 0.002%        |
| 27        | 4.658       | 1123          | 1125        | 1127         | rVV2     | 856            | 482           | 0.02%           | 0.003%        |
| 28        | 4.683       | 1131          | 1133        | 1145         | rVB5     | 2592           | 3667          | 0.16%           | 0.020%        |
| 29        | 4.728       | 1145          | 1147        | 1150         | rVB2     | 922            | 485           | 0.02%           | 0.003%        |
| 30        | 4.751       | 1150          | 1154        | 1155         | rBV2     | 386            | 289           | 0.01%           | 0.002%        |
| 31        | 4.760       | 1155          | 1157        | 1162         | rVB2     | 903            | 655           | 0.03%           | 0.004%        |
| 32        | 4.799       | 1166          | 1169        | 1173         | rVB      | 990            | 553           | 0.02%           | 0.003%        |
| 33        | 4.825       | 1173          | 1177        | 1179         | rBV3     | 448            | 303           | 0.01%           | 0.002%        |
| 34        | 4.838       | 1179          | 1181        | 1185         | rVB3     | 837            | 530           | 0.02%           | 0.003%        |
| 35        | 4.883       | 1188          | 1195        | 1197         | rBV3     | 1048           | 942           | 0.04%           | 0.005%        |
| 36        | 4.915       | 1201          | 1205        | 1206         | rBV2     | 487            | 330           | 0.01%           | 0.002%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 4.947  | 1213 | 1215 | 1219 | rBV2 | 608     | 328     | 0.01%   | 0.002%  |
| 38 | 5.050  | 1230 | 1247 | 1269 | rBV3 | 916190  | 2350477 | 100.00% | 13.064% |
| 39 | 5.336  | 1333 | 1336 | 1338 | rBV2 | 821     | 504     | 0.02%   | 0.003%  |
| 40 | 5.622  | 1413 | 1425 | 1459 | rBV  | 654551  | 1335786 | 56.83%  | 7.424%  |
| 41 | 5.912  | 1508 | 1515 | 1532 | rVB5 | 24484   | 51281   | 2.18%   | 0.285%  |
| 42 | 6.002  | 1539 | 1543 | 1545 | rBV3 | 1255    | 795     | 0.03%   | 0.004%  |
| 43 | 6.027  | 1548 | 1551 | 1552 | rBV2 | 792     | 462     | 0.02%   | 0.003%  |
| 44 | 6.075  | 1552 | 1566 | 1594 | rVV  | 517619  | 1073673 | 45.68%  | 5.968%  |
| 45 | 6.442  | 1678 | 1680 | 1685 | rVB3 | 856     | 572     | 0.02%   | 0.003%  |
| 46 | 6.516  | 1701 | 1703 | 1705 | rBV2 | 676     | 381     | 0.02%   | 0.002%  |
| 47 | 6.645  | 1740 | 1743 | 1746 | rBV3 | 792     | 545     | 0.02%   | 0.003%  |
| 48 | 6.754  | 1775 | 1777 | 1781 | rBV4 | 603     | 466     | 0.02%   | 0.003%  |
| 49 | 6.805  | 1791 | 1793 | 1794 | rBV  | 552     | 273     | 0.01%   | 0.002%  |
| 50 | 6.902  | 1821 | 1823 | 1829 | rVB  | 751     | 467     | 0.02%   | 0.003%  |
| 51 | 6.937  | 1829 | 1834 | 1836 | rBV2 | 808     | 599     | 0.03%   | 0.003%  |
| 52 | 6.989  | 1839 | 1850 | 1876 | rBV  | 287656  | 531168  | 22.60%  | 2.952%  |
| 53 | 7.194  | 1910 | 1914 | 1917 | rBV2 | 682     | 683     | 0.03%   | 0.004%  |
| 54 | 7.320  | 1941 | 1953 | 1972 | rBV  | 1088313 | 1873440 | 79.70%  | 10.413% |
| 55 | 7.625  | 2038 | 2048 | 2071 | rBV  | 208054  | 373118  | 15.87%  | 2.074%  |
| 56 | 7.947  | 2140 | 2148 | 2153 | rBV5 | 1923    | 2893    | 0.12%   | 0.016%  |
| 57 | 8.046  | 2176 | 2179 | 2181 | rBV2 | 1200    | 618     | 0.03%   | 0.003%  |
| 58 | 8.095  | 2184 | 2194 | 2222 | rBV  | 577295  | 1067848 | 45.43%  | 5.935%  |
| 59 | 8.538  | 2329 | 2332 | 2334 | rBV2 | 730     | 400     | 0.02%   | 0.002%  |
| 60 | 8.551  | 2334 | 2336 | 2340 | rVB2 | 838     | 460     | 0.02%   | 0.003%  |
| 61 | 8.718  | 2386 | 2388 | 2390 | rBV2 | 736     | 447     | 0.02%   | 0.002%  |
| 62 | 8.773  | 2403 | 2405 | 2409 | rBV2 | 629     | 491     | 0.02%   | 0.003%  |
| 63 | 8.857  | 2416 | 2431 | 2458 | rBV  | 1023042 | 1652756 | 70.32%  | 9.186%  |
| 64 | 9.275  | 2558 | 2561 | 2562 | rBV  | 546     | 278     | 0.01%   | 0.002%  |
| 65 | 9.310  | 2569 | 2572 | 2577 | rBB3 | 621     | 548     | 0.02%   | 0.003%  |
| 66 | 9.426  | 2605 | 2608 | 2609 | rBV2 | 541     | 273     | 0.01%   | 0.002%  |
| 67 | 9.519  | 2634 | 2637 | 2639 | rBV2 | 589     | 387     | 0.02%   | 0.002%  |
| 68 | 9.548  | 2639 | 2646 | 2648 | rBV6 | 948     | 1063    | 0.05%   | 0.006%  |
| 69 | 9.805  | 2720 | 2726 | 2728 | rBV3 | 975     | 832     | 0.04%   | 0.005%  |
| 70 | 9.828  | 2731 | 2733 | 2740 | rVV6 | 1307    | 1521    | 0.06%   | 0.008%  |
| 71 | 9.976  | 2776 | 2779 | 2782 | rVB2 | 880     | 477     | 0.02%   | 0.003%  |
| 72 | 9.995  | 2782 | 2785 | 2788 | rVB2 | 817     | 482     | 0.02%   | 0.003%  |
| 73 | 10.008 | 2788 | 2789 | 2792 | rBV2 | 559     | 320     | 0.01%   | 0.002%  |
| 74 | 10.062 | 2804 | 2806 | 2807 | rBV2 | 631     | 243     | 0.01%   | 0.001%  |
| 75 | 10.223 | 2843 | 2856 | 2873 | rBV  | 778457  | 1222412 | 52.01%  | 6.794%  |
| 76 | 10.503 | 2941 | 2943 | 2946 | rBV  | 711     | 332     | 0.01%   | 0.002%  |

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 BG7B8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |         |
|-----|--------|------|------|------|------|---------|---------|--------|---------|
| 77  | 10.683 | 2997 | 2999 | 3000 | rBV  | 707     | 253     | 0.01%  | 0.001%  |
| 78  | 10.796 | 3030 | 3034 | 3037 | rVB4 | 734     | 601     | 0.03%  | 0.003%  |
| 79  | 10.825 | 3040 | 3043 | 3045 | rVB3 | 662     | 363     | 0.02%  | 0.002%  |
| 80  | 11.027 | 3104 | 3106 | 3109 | rBV3 | 836     | 512     | 0.02%  | 0.003%  |
| 81  | 11.143 | 3139 | 3142 | 3143 | rBV2 | 1421    | 827     | 0.04%  | 0.005%  |
| 82  | 11.188 | 3152 | 3156 | 3159 | rBV2 | 1131    | 946     | 0.04%  | 0.005%  |
| 83  | 11.255 | 3165 | 3177 | 3198 | rBV  | 975143  | 1522978 | 64.79% | 8.465%  |
| 84  | 11.390 | 3215 | 3219 | 3224 | rBV3 | 2397    | 2065    | 0.09%  | 0.011%  |
| 85  | 11.554 | 3267 | 3270 | 3272 | rBV3 | 817     | 633     | 0.03%  | 0.004%  |
| 86  | 11.632 | 3281 | 3294 | 3321 | rBV  | 1133810 | 1800419 | 76.60% | 10.007% |
| 87  | 11.927 | 3382 | 3386 | 3388 | rBV2 | 497     | 385     | 0.02%  | 0.002%  |
| 88  | 11.940 | 3388 | 3390 | 3394 | rBV2 | 654     | 422     | 0.02%  | 0.002%  |
| 89  | 11.963 | 3394 | 3397 | 3398 | rBV  | 645     | 356     | 0.02%  | 0.002%  |
| 90  | 11.992 | 3404 | 3406 | 3410 | rBV4 | 1026    | 595     | 0.03%  | 0.003%  |
| 91  | 12.107 | 3437 | 3442 | 3447 | rBV4 | 1117    | 945     | 0.04%  | 0.005%  |
| 92  | 12.230 | 3477 | 3480 | 3482 | rBV2 | 561     | 336     | 0.01%  | 0.002%  |
| 93  | 12.265 | 3489 | 3491 | 3494 | rBV2 | 786     | 437     | 0.02%  | 0.002%  |
| 94  | 12.310 | 3502 | 3505 | 3507 | rBV2 | 923     | 581     | 0.02%  | 0.003%  |
| 95  | 12.368 | 3515 | 3523 | 3524 | rBV6 | 2249    | 2694    | 0.11%  | 0.015%  |
| 96  | 12.699 | 3623 | 3626 | 3630 | rBV3 | 778     | 514     | 0.02%  | 0.003%  |
| 97  | 13.027 | 3726 | 3728 | 3730 | rBV  | 680     | 339     | 0.01%  | 0.002%  |
| 98  | 13.114 | 3752 | 3755 | 3758 | rBV3 | 786     | 595     | 0.03%  | 0.003%  |
| 99  | 13.233 | 3789 | 3792 | 3796 | rBV3 | 874     | 728     | 0.03%  | 0.004%  |
| 100 | 13.255 | 3797 | 3799 | 3802 | rBV4 | 650     | 326     | 0.01%  | 0.002%  |

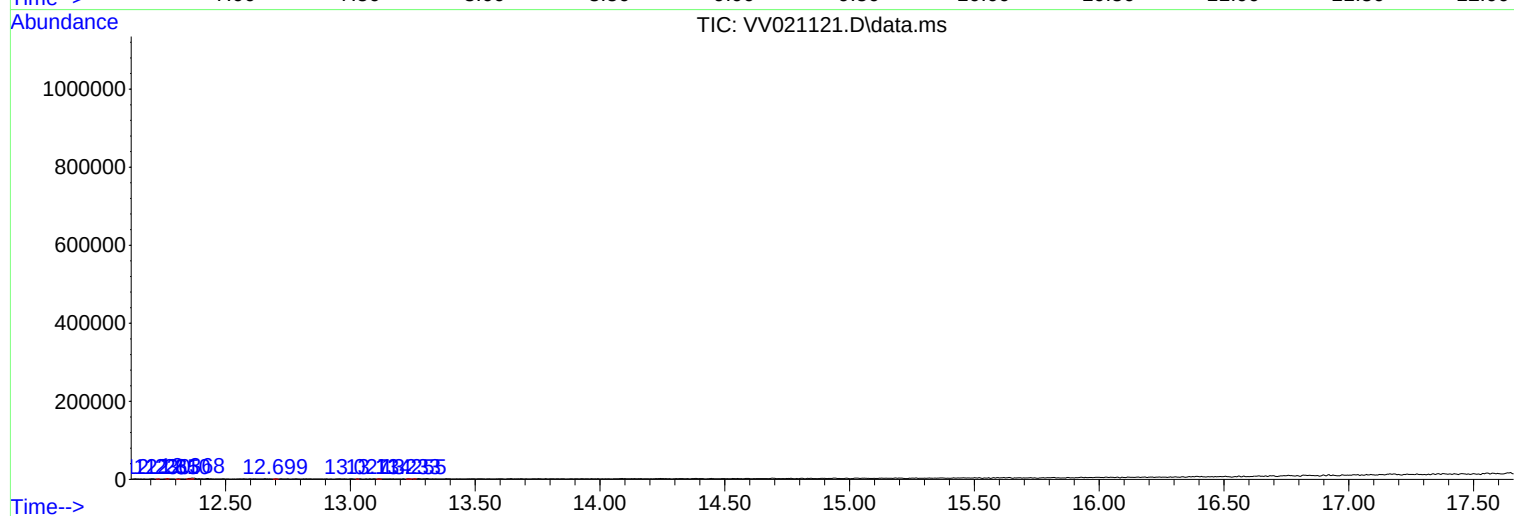
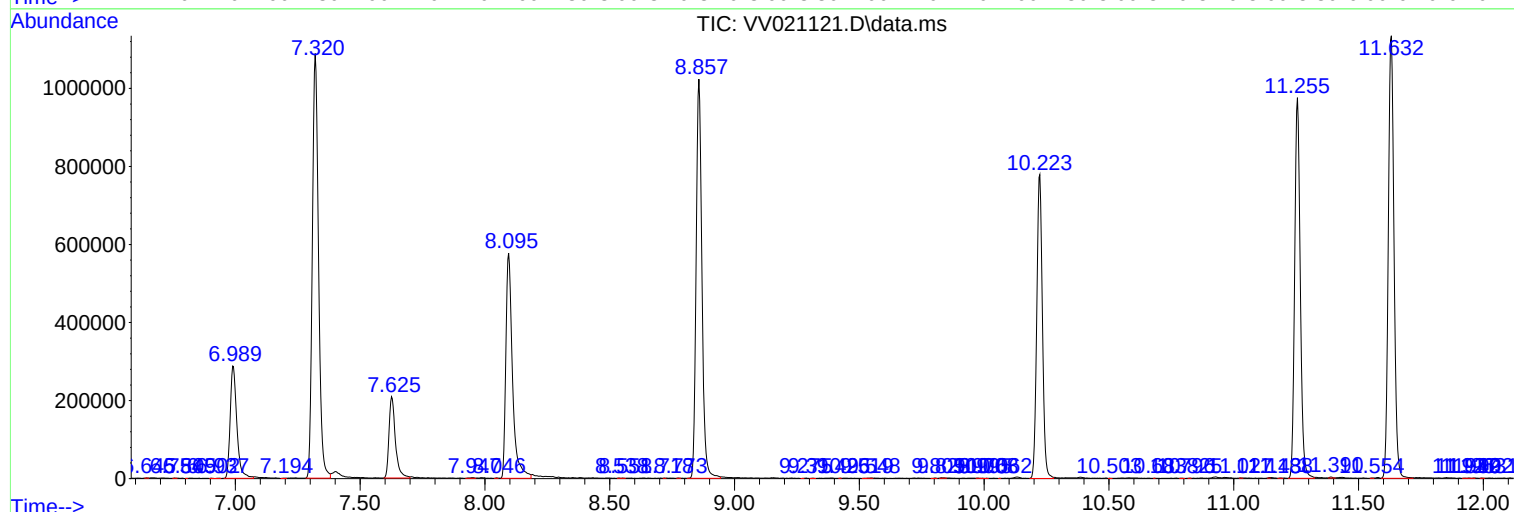
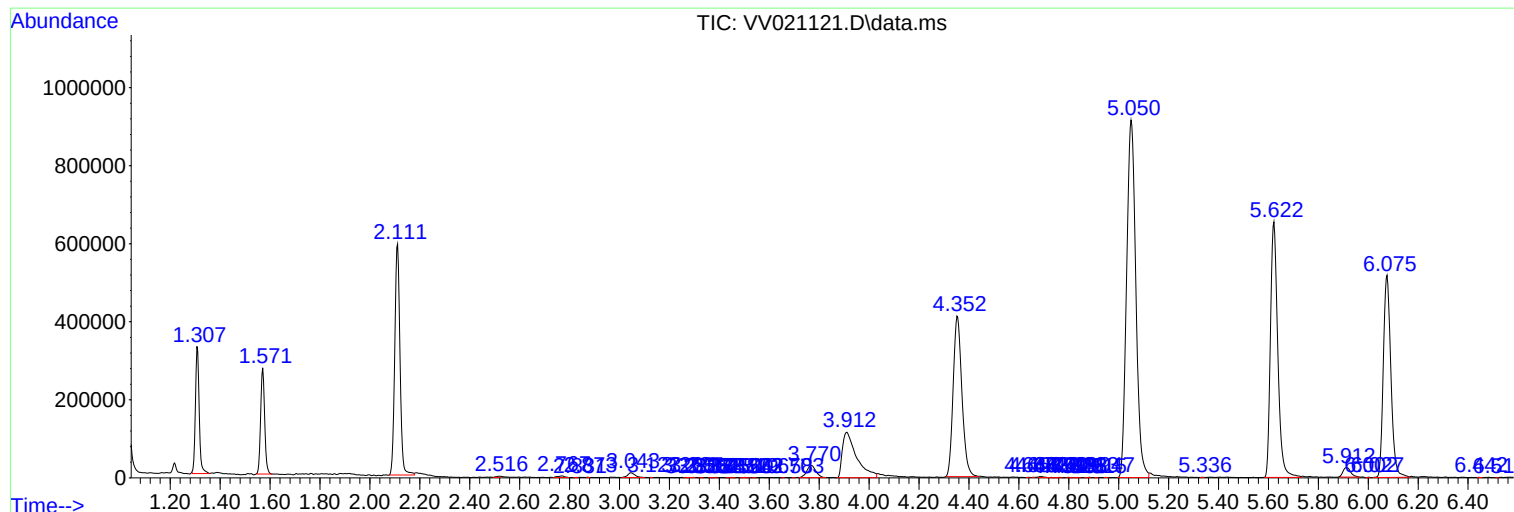
Sum of corrected areas: 17991789

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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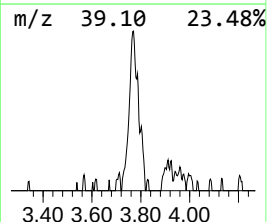
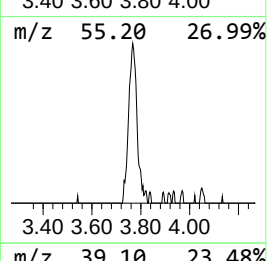
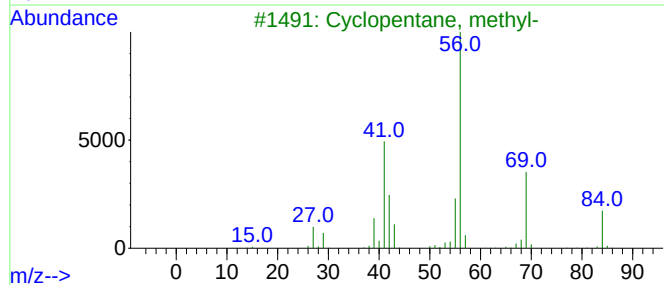
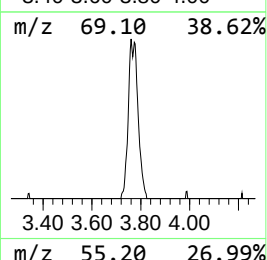
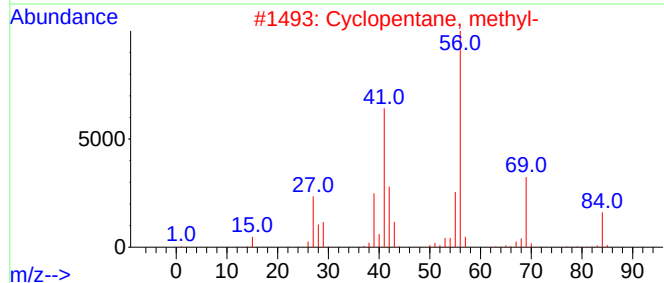
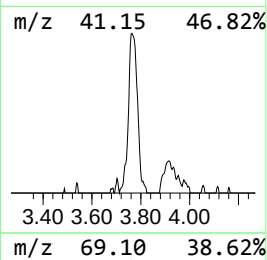
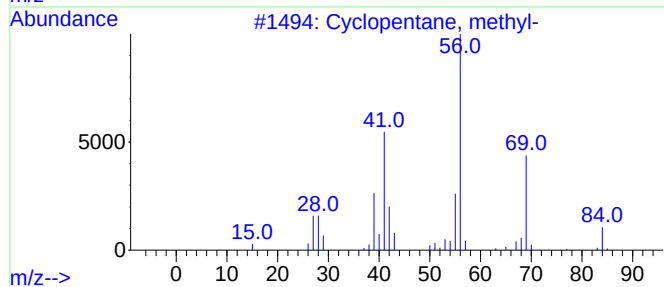
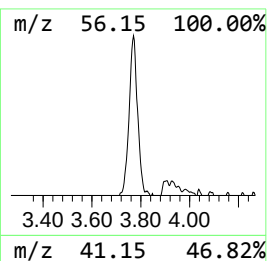
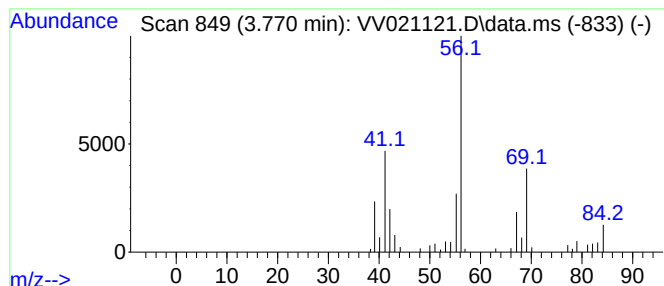
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic3.770 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.770 | 2.97 ug/L | 79310 | 1,4-Difluorobenzene | 5.622 |

| Hit# | of 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 74   |
| 2    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 72   |
| 3    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 59   |
| 4    |      | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 58   |
| 5    |      | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 42   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: C... | 3.770 | 3.0     | ug/L  | 79310    | 1                     | 5.622 | 1335790 | 50.0 |